



Indian Standard
SPECIFICATION FOR
VANADIUM PENTOXIDE
(First Revision)

(Reaffirmed 2000)
(Reaffirmed 2011)
(Reaffirmed 2016)

1. Scope — Requirements of vanadium pentoxide used for the production of ferrovanadium.

2. Grade — Vanadium pentoxide shall be of one grade only.

3. Supply of Material

3.1 General Requirements — According to IS : 1387-1967 ' General requirements for the supply of metallurgical materials (first revision) '.

3.2 The material shall be supplied in the form of properly cleaned lumps free from any slag and non-metallic residues.

4. Chemical Composition — The chemical composition of the material shall be as given in Table 1.

TABLE 1 CHEMICAL COMPOSITION OF VANADIUM PENTOXIDE

Constituent	Percent
Vanadium pentoxide	98.0, Min
Phosphorus	0.05, Max
Sulphur	0.05, Max
Antimony	0.05, Max
Copper	0.05, Max
Arsenic	0.05, Max
Alkalis	1.0, Max
Insolubles (including SiO_2)	1.0, Max

4.1 Till an Indian Standard on the methods of chemical analysis of vanadium pentoxide is published, the determination of chemical constituents shall be as agreed to between the purchaser and the supplier.

5. Size — Fines below 3 mm shall not exceed 1 percent.

6. Packing and Marking — The material shall be supplied, packed in suitable containers, in quantities mutually agreed to between the purchaser and the manufacturer.

6.1 The material shall be marked with the manufacturer's name or trade-mark.

6.2 ISI Certification Marking — Details available with the Indian Standards Institution.

7. Sampling — As agreed to between the purchaser and the manufacturer.

Ferro-Alloys Sectional Committee, SMD C 8 [Ref : Doc : SMD C 8 (1512)]

